

^{117}I

Hansen et al. reported the observation of ^{117}I in the paper “Decay characteristics of short-lived radio-nuclides studied by on-line isotope separator techniques” in 1969 ([1969Ha03](#)). Protons of 600 MeV from the CERN synchrocyclotron bombarded a $\text{CeO}_2(\text{H}_2\text{O})_x$ target and reaction products were separated using the on-line isotope separator ISOLDE. The decay of ^{117}I was not specifically discussed but the results were presented in a table. The measured half-life was 2.4(1) m. Previous reports of ~ 10 min ([1960Za07](#)), 14.5 m ([1965Bu08](#)) and 6.5(1) m ([1965An05](#)) for the half-life of ^{117}I were incorrect. One month later, Sergolle et al. independently measured a 2.4(3) min half-life ([1969Se05](#)) and six month later Ladenbauer-Bellis et al. reported a 2.7(2) min half-life ([1969La33](#)) quoting neither Hansen et al. nor Sergolle et al.

Adapted from reference ([2013Ka01](#))

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